


REMARKS

Entry and consideration of this Amendment are respectfully requested. This Preliminary Amendment effects the Article 34 Amendments made during PCT proceedings. Applicants note that although a copy of the article 34 Amendments were filed with the application, they are not in the USPTO image file wrapper. Therefore, a copy of the article 34 Amendment also is submitted herewith.

Respectfully submitted,


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(F)

AMENDMENT UNDER SECTION 34

DESCRIPTION

TITLE RECORDING MEDIUM PLAYBACK APPARATUS

that is in rotating, is dismounted from the turntable, that is the clamp unit.

To overcome the above problem, an object of this invention is to provide a recording medium playback apparatus, which can prevent
 5 unclamping the recording medium during playback.

How to attain the object

In order to attain the objects, a recording medium playback apparatus according to this invention is characterized by including a main body; a clamp unit clamping a recording medium to be received
 10 in the main body and rotating the recording medium; a lock unit movable between a lock position, in which the clamp unit is locked to the main body, and an unlock position, in which the clamp unit is made movable against the main body; and a clamp lock/unlock unit limiting to unlock clamping by the clamp unit when the lock unit is positioned
 15 in the unlock position, and allowing to unlock clamping by the clamp unit when the lock unit is positioned in the lock position, ^{add all this} and characterized by that the clamp unit comprises: a turntable positioning the recording medium on a surface thereof, and clamping the recording medium positioned on the surface, and rotating together
 20 with the recording medium; and a pick-up unit provided to move freely between an unclamp position, in which clamping the medium on the turntable is unlocked, and a playback position, in which the recording medium is clamped on the turntable and information on the recording medium is played back, and the clamp lock/unlock unit allows the
 25 pick-up unit to move to the unclamp position when the lock unit is positioned in the unlock position.

BRIEF DESCRIPTION OF THE DRAWINGS

Fig. 1 is a perspective view of a CD changer as a recording medium playback apparatus of an embodiment according to the present invention;

5 Fig. 2 is a perspective view showing a fixed chassis, a disk conveying unit, a disk playback unit, a disk receiving unit and a disk positioning mechanism assembled together in the CD changer shown in Fig. 1;

Fig. 3 is a partially exploded perspective view of the fixed

CLAIM(S) :

1. (Amended) A recording medium playback apparatus comprising:

a main body;

a clamp unit clamping a recording medium to be received in the
5 main body and rotating the recording medium;

a lock unit movable between a lock position, in which the clamp unit is locked to the main body, and a unlock position, in which the clamp unit is made movable against the main body; and

a clamp lock/unlock unit limiting to unlock clamping by the clamp
10 unit when the lock unit is positioned in the unlock position, and allowing to unlock clamping by the clamp unit when the lock unit is positioned in the lock position,

wherein the clamp unit comprises:

a turntable positioning the recording medium on a surface
15 thereof, and clamping the recording medium positioned on the surface, and rotating together with the recording medium; and

a pick-up unit provided to move freely between an unclamp position, in which clamping the medium on the turntable is unlocked, and a playback position, in which the recording medium is clamped
20 on the turntable and information on the recording medium is played back,

wherein the clamp lock/unlock unit limits the pick-up unit to move to the unclamp position when the lock unit is positioned in the unlock position, and allows the pick-up unit to move to the unclamp
25 position when the lock unit is positioned in the lock position.

2. (Amended) The recording medium playback apparatus according to claim 1, wherein the clamp lock/unlock unit comprises:

add lock a cutout formed by cutting out between an end of the pick-up unit, close to the turntable, and an inner edge of the pick-up unit;
5 and

a rotating member provided rotatably on the main body to move an end portion of the rotating member between a condition, in which the end portion can penetrate into the cutout of the pick-up unit positioned in the playback position, and another condition, in which
10 the end portion moves out of the cutout of the pick-up unit positioned in the playback position,

wherein the end portion of the rotating member penetrates into the cutout of the pick-up unit positioned in the playback position
15 when the lock unit is positioned in the unlock position, and the other end portion of the rotating member is pushed by the lock unit in a direction of that the one end portion moves out of the cutout, and the end portion of the rotating member moves out of the cutout of the pick-up unit positioned in the playback position.

20 3. (Amended) The recording medium playback apparatus according to claim 2, wherein the clamp unit comprises:

add to lock a movable member provided movable along a direction perpendicular to a surface of the turntable and biased to move close to the turntable;

an extract/retract member provided between the turntable and
25 the movable member, an end of the extract/retract member projecting from the surface when the movable member moves close to the turntable

and retracting under the surface when the movable member moves apart from the turntable,

wherein the pick-up unit is provided with a first insert portion to penetrate between the turntable and the movable member when the

5 pick-up unit moves from the playback position to the unclamp position,

wherein the other end portion of the rotating member is provided with a second insert portion to penetrate between the turntable and the movable member when the pick-up unit moves from the playback position to the unclamp position,

10 wherein the first insert portion and the second insert portion penetrate between the turntable and the movable member and the one end of the extract/retract member retracts under the surface of the turntable when the pick-up unit is in the unclamp position, and the first insert portion and the second insert portion move out of a
15 gap between the turntable and the movable member and the one end of the extract/retract member projects from the surface of the turntable when the pick-up unit is in the playback position.

4. (Cancelled)

PATENT COOPERATION TREATY

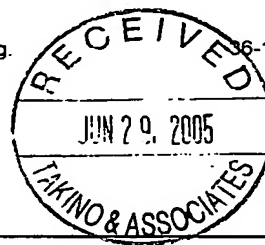
PCT/JP05/005557

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Date of mailing (day/month/year) 14 June 2005 (14.06.2005)	
Applicant's or agent's file reference 58P0509WO	IMPORTANT NOTIFICATION
International application No. PCT/JP05/005557	International filing date (day/month/year) 25 March 2005 (25.03.2005)
International publication date (day/month/year)	Priority date (day/month/year) 25 March 2004 (25.03.2004)
Applicant Pioneer Corporation et al	

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<u>Priority date</u>	<u>Priority application No.</u>	<u>Country or regional Office or PCT receiving Office</u>	<u>Date of receipt of priority document</u>
25 March 2004 (25.03.2004)	2004-089014	JP	21 April 2005 (21.04.2005)

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2005/005557

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl.⁷ G11B17/028, 17/26, 21/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl.⁷ G11B17/022-17/035, 17/04, 17/26, 21/02

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho	1922-1996	Jitsuyo Shinan Toroku Koho	1996-2005
Kokai Jitsuyo Shinan Koho	1971-2005	Toroku Jitsuyo Shinan Koho	1994-2005

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	JP 2003-257115 A (FMS Audio Sendirian Bahado), 12 September, 2003 (12.09.03), Par. Nos. [0027], [0037] to [0038]; Figs. 10, 15, 16 (Family: none)	1 2-4
A	JP 10-269722 A (Matsushita Electric Industrial Co., Ltd.), 09 October, 1998 (09.10.98), Par. Nos. [0020] to [0058]; Figs. 1 to 10 & US 6330219 B1 & EP 0867876 A1	2

☐ Further documents are listed in the continuation of Box C.☐ See patent family annex.

* Special categories of cited documents:

- A- document defining the general state of the art which is not considered to be of particular relevance
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- P- document published prior to the international filing date but later than the priority date claimed

-T- later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

-X- document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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-&- document member of the same patent family

Date of the actual completion of the international search
23 June, 2005 (23.06.05)Date of mailing of the international search report
12 July, 2005 (12.07.05)Name and mailing address of the ISA/
Japanese Patent Office

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